Canada
Department of Mines
GEOLOGICAL SURVEY.

HON. W. TEMPLEMAN, MINISTER. A.P. LOW, DEPUTY MINISTER.
R.W. BROCK, DIRECTOR.

1910

GEOLOGY, RECONNAISSANCE — ALBERTA



C.O. Senecal, *Geographer and Chief Draughtsman.*
R.B. Yorston, *Draughtsman.*

LEGEND

QUATERNARY — PLEISTOCENE AND RECENT
- Q — Glacial and river drift.

MESOZOIC — UPPER CRETACEOUS
- K6 — Brazeau sandstones, shales and conglomerates
- K5 — Wapiabi shales
- K4 — Bighorn sandstones and conglomerates
- K3 — Blackstone shales

MESOZOIC — LOWER CRETACEOUS
- K2 — Dakota sandstones and shales
- K1 — Kootanie formation (coal-bearing) *(Siliceous and shaly sandstones, black shales, coal and conglomerates)*

MESOZOIC — JURASSIC
- J — Fernie formation *(Shales with a bed of quartzose sandstone)*

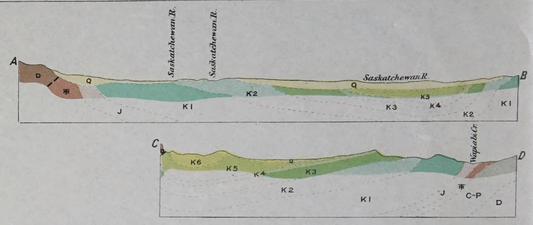
MESOZOIC — TRIASSIC
- ₩ — Upper Banff shale *(with a thin bed of white limestone)*

PALAEOZOIC — DEVONIAN TO PERMIAN
- C-P — Rocky Mountain quartzite (Permian?) Upper Banff limestone (Carboniferous) Lower Banff shale, (Carboniferous?)
- D — Lower Banff limestone) Intermediate Beds) Probably Devonian *(dolomites)*

Symbols
- Fault *(approximate)*
- Geological Boundary *(approximate)*
- Geological Boundary *(assumed)*



Scale: 70 Miles to 1 Inch.



DIAGRAMMATICAL CROSS-SECTIONS ALONG LINES AB, CD, EF, GH.

LEGEND

Culture
- Trails

Water
- Rivers and Streams *(mapped at high water mark)*
- Watercourses with intermittent flow

Relief
- Sketched land forms

Magnetic declination about 27° East

GEOLOGY
G.S. MALLOCH 1908

TOPOGRAPHY
(Sketch, with provisional control)
G.S. MALLOCH 1908
G.S. MALLOCH COMPILER

1132

MAP 7A

BIGHORN COAL BASIN

BETWEEN SASKATCHEWAN AND BRAZEAU RIVERS

ALBERTA

Scale: 1/126,720

Miles: 1 ¾ ½ ¼ 0 1 2 3 4 5

Kilometres: 3 2 1 0 1 2 3 4 5 6 7 8

2 MILES TO 1 INCH

To accompany Memoir No. 9

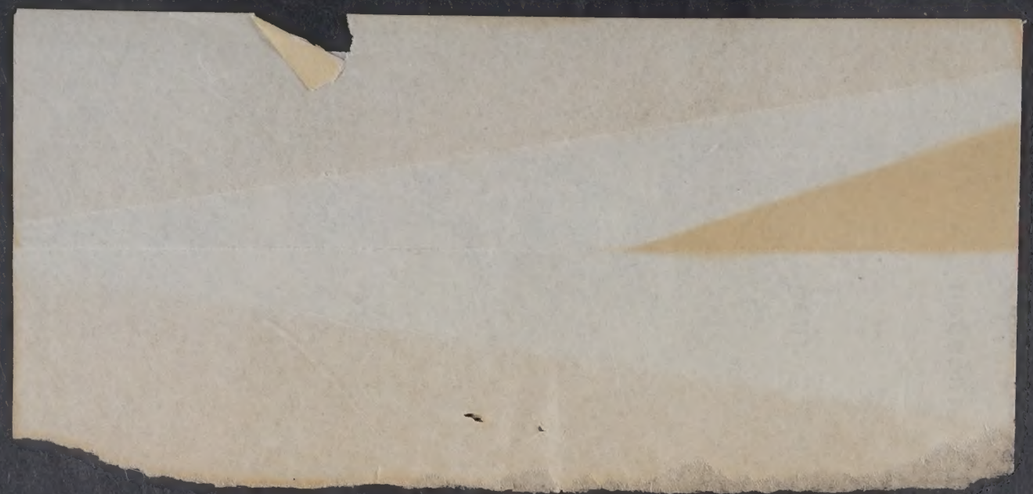
Coal Fields of B C
Geological Map 7

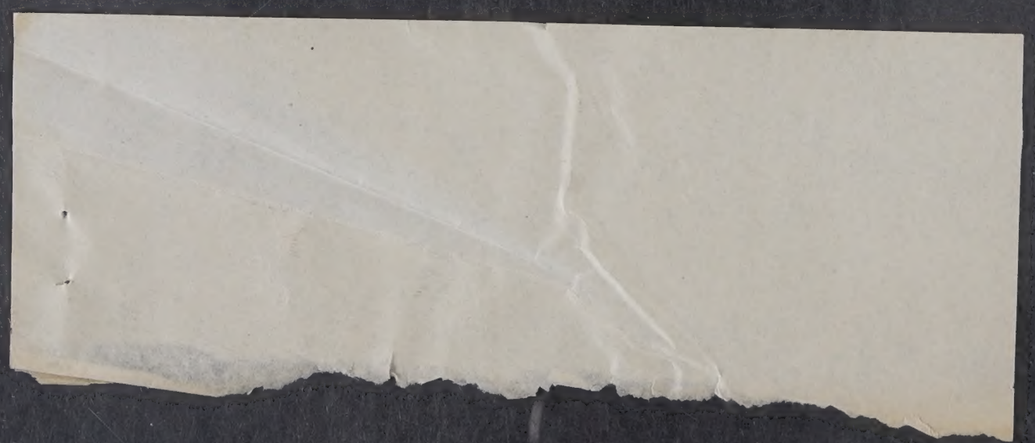
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Big Horn Coal
Basin
Bet Sask & Bow River

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from Tar





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Department o

GEOLOGICAL

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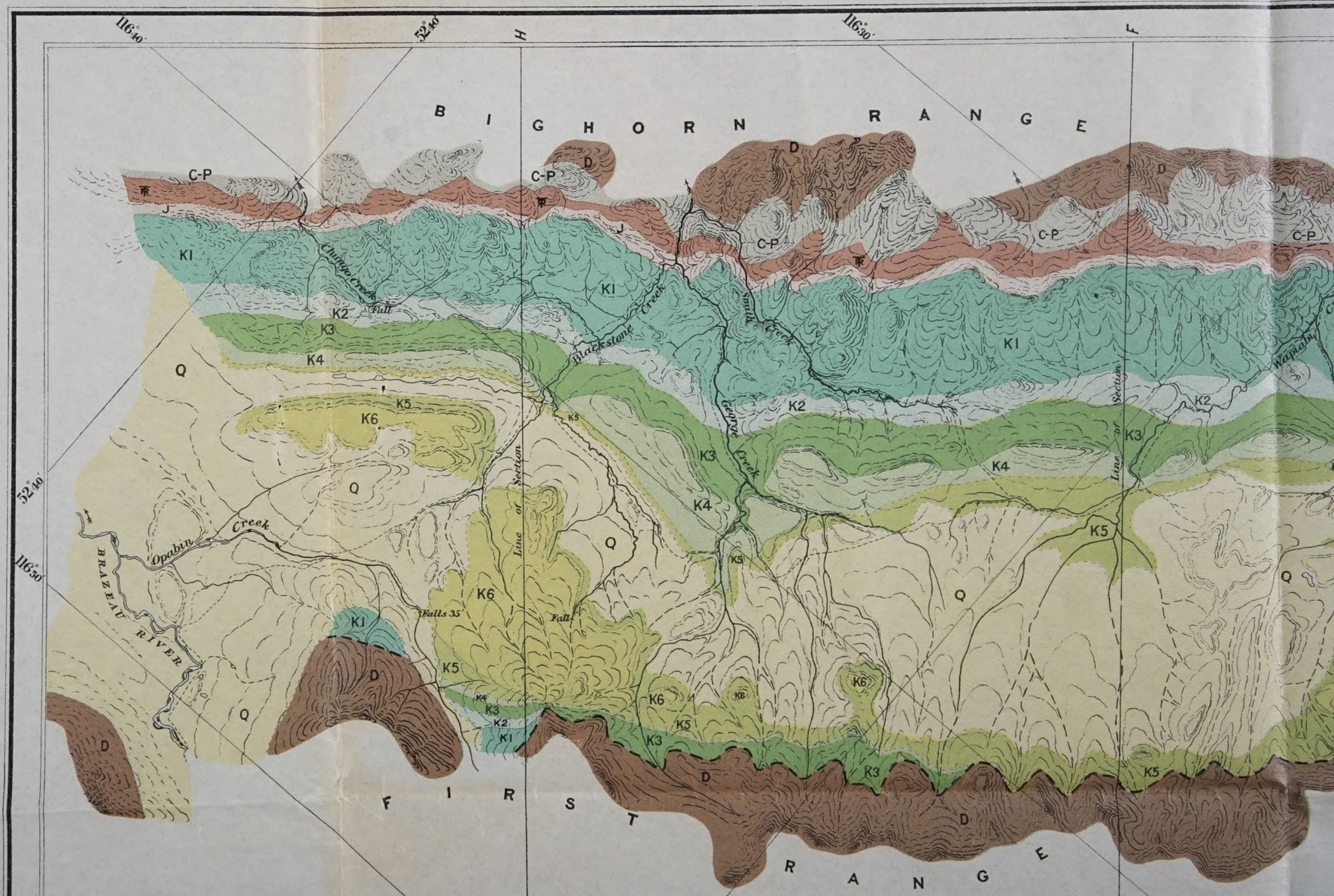
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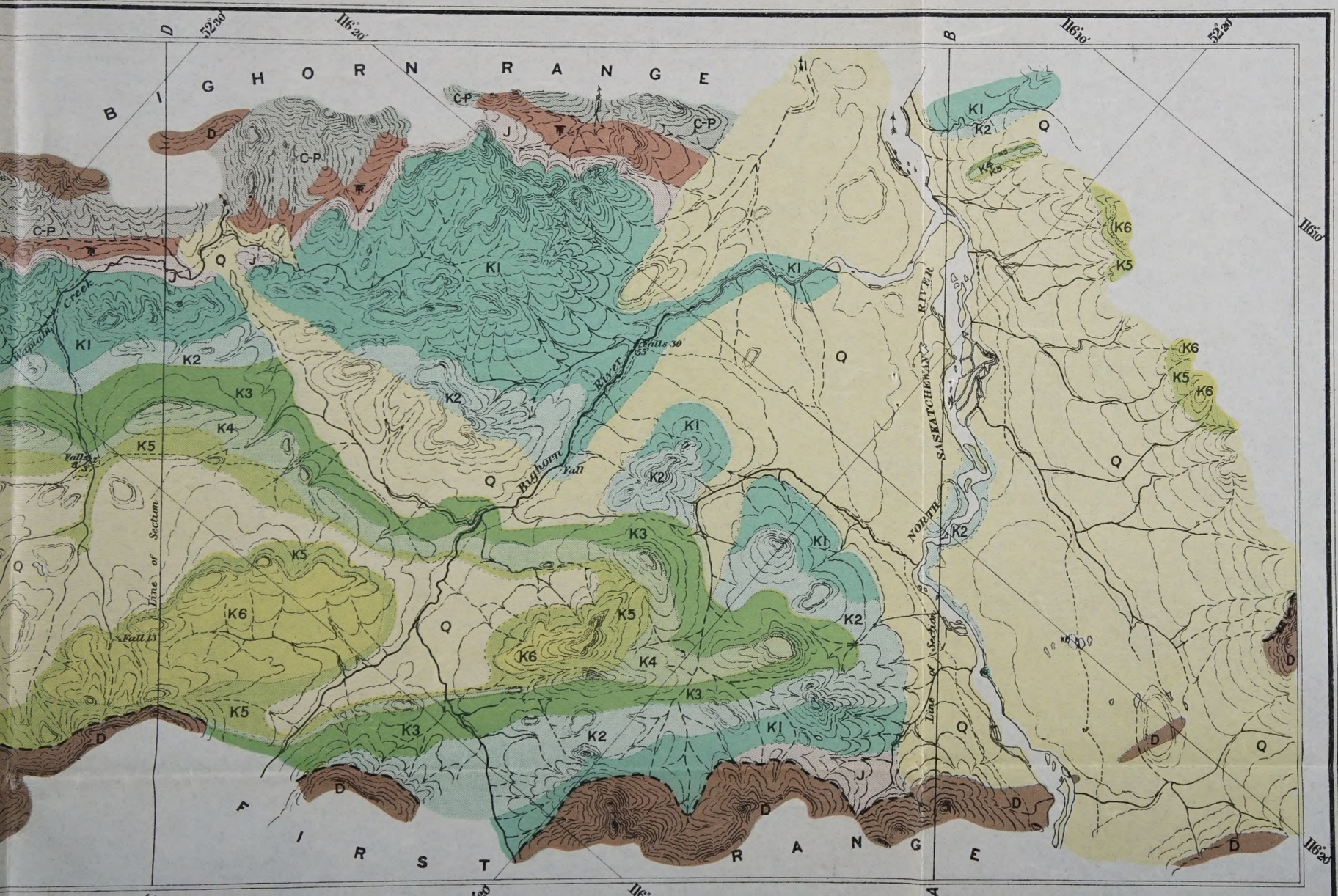
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Trails

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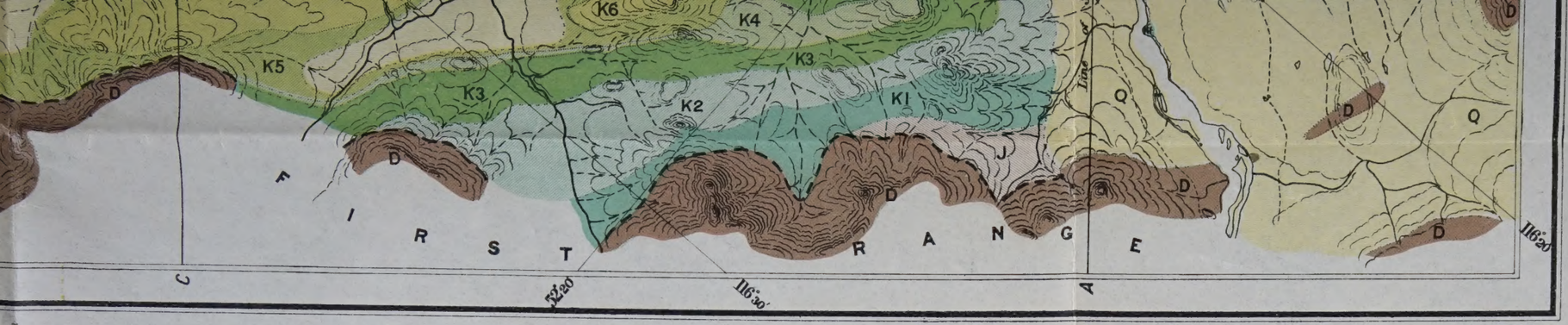
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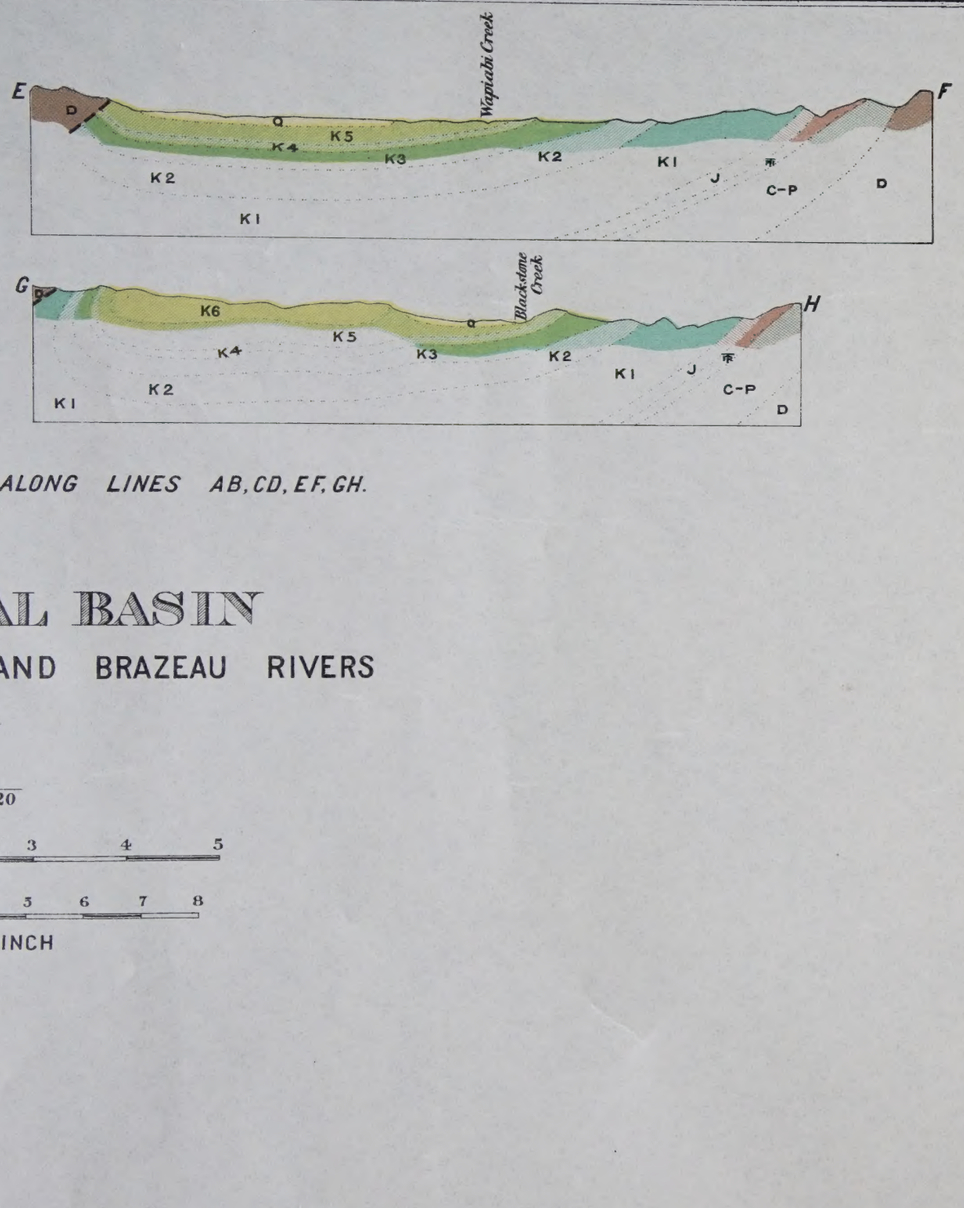
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To accompany Memoir No. 9

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(with a thin bed of white limestone)

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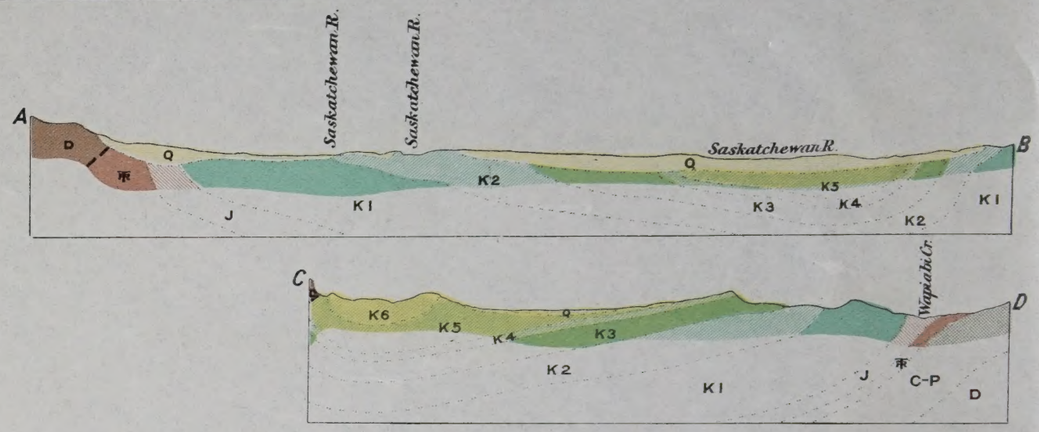
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Scale: 70 Miles to 1 Inch



DIAGRAMMATICAL CROSS-SECTIONS

MAP

BIGHORN CO

BETWEEN SASKATCHEWAN

ALBER

Scale: 12

Miles
1 ¾ ½ ¼ 0 1 2

Kilomet
1¾½¼0 1 2 3

2 MILES TO



Geological Map.
Big Horn Coal Basin.

979

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